

453195.txt
SEQUENCE LISTING

<110> Ligensa, Tanja
Schumacher, Ralf
Weidner, Michael

<120> IGF-1 Receptor Interacting Proteins

<130> 09/453,195

<140> 09/453,195

<141> 1999-12-02

<150> EPO 98122992.5

<151> 1998-12-03

<160> 10

<170> PatentIn Ver. 2.1

<210> 1

<211> 1707

<212> DNA

<213> Homo sapiens

<220>

<223> n at position 186, 187, 203, and 205 is a, t, g, or c.

<400> 1

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ctgagccagg ccgtggaggg ctgggcgtgg gggagccagg gcctctgggc ggaggtgggt 180
cggggnccc ccaaattggc ttncncccc ctccccagc cctgcggccc cgcctcgtgt 240
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gcaccctgaa caccacaaa gtggacatgg acaagctcct ggggggccag atcgggctgg 420
aggacttcat cttcgccac gtgaaggggc agcgcaagga ggtggaggtg ttcaagtcgg 480
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tcaaggaggg cagcgtgac gaccacatcc acctcatcag cgtggggcgac atgatcgagg 600
 ccattaacgg gcagagcctg ctgggctgcc ggcactacga ggtggcccgg ctgctcaagg 660
 agctgccccg aggccgtacc ttcacgctga agctcacgga gcctcgcaag gccttcgaca 720
 tgatcagcca gcgttcagcg ggtggccgcc ctggctcttg ccacaaactg ggcactggcc 780
 gagggaccct gcggctccga tcccggggcc ccgccacggt ggaggatctg ccctctgcct 840
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 acacggagct ggcagccacc atggtggagc tgggaaagga caaaaggaac ccgatgagc 960
 tggccgaggc cctggacgaa cggctgggtg actttgcctt ccctgacgag ttcgtctttg 1020
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 gccaggcccc ctgccccgct ccactcggtg ccacccctc cctggttccc agtctggccg 1260
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 taatgccctc acccctcctg agaggagccc cctccctgtg gagcctgtta cctccgcatt 1560
 tgacacgagt ctgctgtgaa ccccgcaacc tcctccccac ctccatctc tccttcagg 1620
 cccatccctg gccagagca ggaggaggg agggacgatg gcggtgggtt tttgtatctg 1680
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<210> 2

<211> 333

<212> PRT

<213> Homo sapiens

<220>

<223> Xaa at position 42, 47, and 48 is any one of the twenty naturally occurring amino acids.

<400> 2

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Asn  Glu  Glu  Ala  Glu  Pro  Gly  Arg  Gly  Gly  Leu  Gly  Val  Gly  Glu  Pro
          20              25              30

Gly  Pro  Leu  Gly  Gly  Gly  Gly  Ser  Gly  Xaa  Pro  Gln  Met  Gly  Xaa  Xaa
          35              40              45

Pro  Pro  Pro  Pro  Ala  Leu  Arg  Pro  Arg  Leu  Val  Phe  His  Thr  Gln  Leu
          50              55              60

Ala  His  Gly  Ser  Pro  Thr  Gly  Arg  Ile  Glu  Gly  Phe  Thr  Asn  Val  Lys
 65              70              75              80

Glu  Leu  Tyr  Gly  Lys  Ile  Ala  Glu  Ala  Phe  Arg  Leu  Pro  Thr  Ala  Glu
          85              90              95

Val  Met  Phe  Cys  Thr  Leu  Asn  Thr  His  Lys  Val  Asp  Met  Asp  Lys  Leu
          100              105              110

Leu  Gly  Gly  Gln  Ile  Gly  Leu  Glu  Asp  Phe  Ile  Phe  Ala  His  Val  Lys
          115              120              125

Gly  Gln  Arg  Lys  Glu  Val  Glu  Val  Phe  Lys  Ser  Glu  Asp  Ala  Leu  Gly
          130              135              140

Leu  Thr  Ile  Thr  Asp  Asn  Gly  Ala  Gly  Tyr  Ala  Phe  Ile  Lys  Arg  Ile
145              150              155              160

Lys  Glu  Gly  Ser  Val  Ile  Asp  His  Ile  His  Leu  Ile  Ser  Val  Gly  Asp
          165              170              175

Met  Ile  Glu  Ala  Ile  Asn  Gly  Gln  Ser  Leu  Leu  Gly  Cys  Arg  His  Tyr
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Glu  Val  Ala  Arg  Leu  Leu  Lys  Glu  Leu  Pro  Arg  Gly  Arg  Thr  Phe  Thr
          195              200              205

Leu  Lys  Leu  Thr  Glu  Pro  Arg  Lys  Ala  Phe  Asp  Met  Ile  Ser  Gln  Arg
          210              215              220

Ser  Ala  Gly  Gly  Arg  Pro  Gly  Ser  Gly  Pro  Gln  Leu  Gly  Thr  Gly  Arg
225              230              235              240

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Gly Thr Leu Arg Leu Arg Ser Arg Gly Pro Ala Thr Val Glu Asp Leu
245 250 255

Pro Ser Ala Phe Glu Glu Lys Ala Ile Glu Lys Val Asp Asp Leu Leu
260 265 270

Glu Ser Tyr Met Gly Ile Arg Asp Thr Glu Leu Ala Ala Thr Met Val
275 280 285

Glu Leu Gly Lys Asp Lys Arg Asn Pro Asp Glu Leu Ala Glu Ala Leu
290 295 300

Asp Glu Arg Leu Gly Asp Phe Ala Phe Pro Asp Glu Phe Val Phe Asp
305 310 315 320

Val Trp Gly Ala Ile Gly Asp Ala Lys Val Gly Arg Tyr
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<210> 3

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> n at position 369 is a, t, g, or c.

<400> 3

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ccaaagacaa ggcagaaagt cactgcccac gccggaggcc ccggggatcc catgcttttt 180

tcaagcccag agacagatga gaagcttttt atatgtgctg agtgtggcaa aaccttcaac 240

aatacctcca acctgagaac gcaccagcgg atccacactg gcgagaagcc ctacatgtgt 300

tccgagtgtg gcaagagttt ctcccggagc tccaaccgca tccggcacga gcgcatccac 360

ctggaagana agcactctga 380

<210> 4

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<223> Xaa at position 123 is any one of the twenty naturally occurring amino acids.

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20 25 30

Ala Gly Leu His Gly Thr His Pro Pro Lys Thr Arg Gln Lys Val Thr
35 40 45

Ala Gln Ala Gly Gly Pro Gly Asp Pro Met Leu Phe Ser Ser Pro Glu
50 55 60

Thr Asp Glu Lys Leu Phe Ile Cys Ala Gln Cys Gly Lys Thr Phe Asn
65 70 75 80

Asn Thr Ser Asn Leu Arg Thr His Gln Arg Ile His Thr Gly Glu Lys
85 90 95

Pro Tyr Met Cys Ser Glu Cys Gly Lys Ser Phe Ser Arg Ser Ser Asn
100 105 110

Arg Ile Arg His Glu Arg Ile His Leu Glu Xaa Lys His Ser
115 120 125

<210> 5

<211> 678

<212> DNA

<213> Homo sapiens

<400> 5

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cagaagactt cagccactaa aaactgtttg aagaatctaa gcagccactg gctgatgaag 180
tcagagccag agagccgcct agagaaaggt gtagatgtga agttcagcat tgaggatctc 240
aaagcacagc ccaaacagac aacatgctgg gatggtgttc gtaactacca ggctcggaac 300

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gagaaaaaca atccccatta tgacccatct agcaaagagg acaaccctaa gtggtccatg 480
gtggatgtac agtttggtcg gatgatgaaa cgtttcattc ccctgggtga gctcaaattcc 540
tatcatcaag ctacaaaagc tactgggtggc cccttaaaaa atatgggttct cttcactcgc 600
cagagattat caatccagcc cctgaccag gaagagtttg attttgtttt gagcctggag 660
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<210> 6

<211> 225

<212> PRT

<213> Homo sapiens

<400> 6

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Gly	Leu	Ser	Gly	Lys	Arg	Thr	Lys	Thr	Glu	Asn	Ser	Gly	Glu	Ala	Leu
			20					25					30		
Ala	Lys	Val	Glu	Asp	Ser	Asn	Pro	Gln	Lys	Thr	Ser	Ala	Thr	Lys	Asn
		35					40					45			
Cys	Leu	Lys	Asn	Leu	Ser	Ser	His	Trp	Leu	Met	Lys	Ser	Glu	Pro	Glu
	50					55					60				
Ser	Arg	Leu	Glu	Lys	Gly	Val	Asp	Val	Lys	Phe	Ser	Ile	Glu	Asp	Leu
	65				70					75					80
Lys	Ala	Gln	Pro	Lys	Gln	Thr	Thr	Cys	Trp	Asp	Gly	Val	Arg	Asn	Tyr
				85					90					95	
Gln	Ala	Arg	Asn	Phe	Leu	Arg	Ala	Met	Lys	Leu	Gly	Glu	Glu	Ala	Phe
			100					105					110		
Phe	Tyr	His	Ser	Asn	Cys	Lys	Glu	Pro	Gly	Ile	Ala	Gly	Leu	Met	Lys
		115					120					125			
Ile	Val	Lys	Glu	Ala	Tyr	Pro	Asp	His	Thr	Gln	Phe	Glu	Lys	Asn	Asn
	130					135					140				

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Pro	His	Tyr	Asp	Pro	Ser	Ser	Lys	Glu	Asp	Asn	Pro	Lys	Trp	Ser	Met
145					150					155					160
Val	Asp	Val	Gln	Phe	Val	Arg	Met	Met	Lys	Arg	Phe	Ile	Pro	Leu	Ala
				165					170					175	
Glu	Leu	Lys	Ser	Tyr	His	Gln	Ala	His	Lys	Ala	Thr	Gly	Gly	Pro	Leu
			180					185					190		
Lys	Asn	Met	Val	Leu	Phe	Thr	Arg	Gln	Arg	Leu	Ser	Ile	Gln	Pro	Leu
		195					200					205			
Thr	Gln	Glu	Glu	Phe	Asp	Phe	Val	Leu	Ser	Leu	Glu	Glu	Lys	Glu	Pro
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Ser															
225															

<210> 7

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer TIP2c-s

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18

<210> 8

<211> 18

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:primer TIP2b-r

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18

<210> 9

<211> 33

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:primer Hcthy-s

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33

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<211> 40

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:primer Hcthy-r

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